

**FACT SHEET**  
**PERMIT NUMBER NJ0134791**  
**NEW JERSEY POLLUTANT DISCHARGE ELIMINATION SYSTEM**  
**DISCHARGE TO SURFACE WATER (NJPDES/DSW)**  
**DRAFT RENEWAL PERMIT FOR INDUSTRIAL STORMWATER DISCHARGES TO SURFACE**  
**WATER FROM THE**  
**PORT AUTHORITY OF NEW YORK AND NEW JERSEY**  
**NEWARK LIBERTY INTERNATIONAL AIRPORT COMPLEX**

This fact sheet is for the renewal of the Master General Permit for the Newark Liberty International Airport Complex (NJ0134791) and applies to all areas of Newark Liberty International Airport as designated in the Port Authority of New York and New Jersey's leasehold with the City of Newark, the City of Elizabeth, or as owned by the Port Authority of New York and New Jersey (Port Authority or Port Authority of NY&NJ).

The existing permit authorizes industrial stormwater and non-contact cooling water discharges to surface waters of the State. The proposed renewal permit will authorize only industrial stormwater discharges to surface water, and will not authorize any discharges of domestic wastewater, leachate, process water, aircraft, ground vehicle or runway and equipment wash water(s) chemicals, dry weather discharges of deicing and/or anti-icing chemicals, and/or discharges of non-contact cooling water. Dry weather discharges are discharges generated by an industrial process other than those included in the definition of stormwater (see Footnotes and Definitions in Part IV of the draft renewal permit). The definition of stormwater includes stormwater runoff, snowmelt runoff, and surface runoff and drainage. All other discharges constitute non-stormwater discharges. Operators of non-stormwater discharges must obtain a separate New Jersey Pollutant Discharge Elimination System (NJPDES) permit if discharged to waters of the State or through a municipal separate storm sewer system.

## **I. Background**

The existing master general permit was first issued on September 14, 2000, became effective on November 1, 2000 and will expire on October 31, 2005, hence this draft renewal master general permit (draft renewal permit or permit) is proposed. An automatic renewal clause in the existing permit (Part II.B) eliminates the requirement of the Port Authority and operators authorized under the master general permit to submit a renewal application. The Department will mail their respective renewal authorizations once the master general permit renewal is final.

The Port Authority of New York and New Jersey, as an operator of Newark Liberty International Airport (EWR), provides aviation transportation services for passengers and cargo, operating under the Standard Industrial Classification (SIC) code 4581. These regulated industrial activities include the maintenance of runways, taxiways and terminals, as well as the provisions of aircraft hangers for servicing aircraft. The existing permit regulates stormwater and non-contact cooling water discharges to Newark Bay via the Peripheral Ditch and Newark and Elizabeth Channel. The surface water classification for Newark Bay and Elizabeth Channel is SE3. The surface water classification for the Peripheral Ditch is dependent upon the salinity content of the segment. The Department presently does not have information regarding the salinity of the Peripheral Ditch at each of Newark Liberty Airport's discharge outfalls, and has therefore classified the water body segment as FW2-NT/SE3. This classification was done in accordance with the provisions outlined in N.J.A.C.7:9B-1.15.

The objective of the development of a master general permit is to provide a general permit available to all operating entities for the Newark Liberty Airport Complex. This general permit has been offered to all operating entities as an alternative to an individual permit. The purpose of developing and maintaining a general permit is to provide equal and consistent regulatory requirements for all operators that must obtain a permit at the Airport Complex. This specifically applies to those portions of the facility that conduct vehicle maintenance operations (including vehicle rehabilitation, mechanical repairs, painting, fueling and lubrication), equipment cleaning and deicing operations, in accordance with the definition for "stormwater discharges associated with industrial activity" N.J.A.C. 7: 14A-1.2. This requirement only applies to those industrial areas and activities specifically named unless the facility is otherwise identified under N.J.A.C. 7:14A-24.

## II. Existing Permit Conditions

One of the main purposes of including sampling and monitoring requirements in stormwater permits is to verify that best management practices (BMPs) are effective in controlling and abating pollutants in the facility's stormwater runoff. The Department is aware that there are significant administrative and technical costs associated with sampling and monitoring for NJPDES permits. Since several of the outfalls have discharges with substantially identical effluents, it is the Department's continued position that monitoring for a representative discharge to verify the effectiveness of BMPs will provide a sufficient level of environmental protection, while helping to reduce the cost of permit compliance for the Port Authority.

The existing permit authorizes stormwater discharges associated with industrial activity from the following facility outfalls and shall remain unchanged in the draft renewal permit:

DSN001, DSN002, DSN003, DSN004, DSN005, DSN006, DSN008, DSN009, DSN010, DSN011A, DSN012, DSN013, DSN014A, DSN015, DSN016, DSN017, DSN018, DSN019, DSN020, DSN021, DSN022A, DSN023, DSN025, DSN026, DSN027, DSN028, DSN029, DSN030, DSN031, DSN032, DSN033, DSN034, DSN035, DSN036, DSN037, DSN038, DSN039, DSN040, DSN041, DSN042, DSN043, DSN044, DSN045, DSN046, DSN048, DSN049, DSN050, DSN051, DSN052, DSN053, DSN054, DSN055, DSN056, DSN057, DSN058, DSN059, DSN060, DSN061, DSN062, DSN063, DSN064, DSN065, DSN066, DSN067, R1, R2, R3, R4, RS, R6, R7 and R8.

Representative stormwater samples shall be taken in compliance with Part III. Monitoring Requirements of the draft renewal permit (and are also discussed in section IV. Monitoring Requirements of this Fact Sheet) and shall be taken at the following discharge locations:

DSN011A - From the last vessel of the oil/water separator prior to entering the separate storm sewer pipe;

DSN014A - From the manhole located next to Terminal B and east of Satellite Number 2;

DSN022A - From the ball valve of the effluent pipe prior to discharging to the separate storm sewer

Outfall DSN007B is currently authorized to discharge non-contact cooling water, however the cooling system has been replaced and a non-contact cooling water discharge no longer exists. This outfall and the authorization to discharge non-contact cooling water will be eliminated in the renewal permit.

Initial effluent limitations for the Newark Liberty Airport individual discharge to surface water permit (from the December 26, 1986 permit modification and subsequent modification which occurred prior to the existing general permit and which became effective August 1, 1990) were not based on stormwater runoff studies or USEPA stormwater effluent limitation guidelines. Previous effluent limitations for COD, pH, Temperature and TSS were derived from the 1978 USEPA Region II guidance for stormwater runoff from industrial sites and have been removed in the existing permit.. The applicable effluent limitations and monitoring for Petroleum Hydrocarbons (PHCs) are included pursuant to the NJPDES "Oil and Grease Effluent Limitations" (N.J.A.C. 7:14A-14), as they existed in August 1990. These sampling and monitoring requirements shall also remain unchanged in the draft renewal permit (see the Permit Summary Table at the end of this Fact Sheet).

### III. History of State and Federal Regulations

On November 16, 1990 USEPA published final regulations for industrial stormwater discharges. This final regulation established application requirements for industrial stormwater discharge permits. The "Group Application Process" was an option available to the regulated community to help reduce the administrative and financial burden associated with environmental regulation. This process allowed regulated facilities that matched certain narrative criteria, or had specific Standard Industrial Classification (SIC) codes, to collectively submit information. The Group Application Process was broken into two parts. The first part was for the filing of administrative information for the industrial group. This included identification of all participants and information on industrial activity, significant materials exposed to stormwater and material management activities.

The second part was the submission of a designated subgroup's stormwater effluent characterization data. The USEPA used the information from the Group Application Process to develop a general permit. This permit included specific requirements for sectors of industries regulated under the definition "Storm water discharges associated with industrial activity." This permit is referred to as the Multi-Sector General Permit for Industrial Activities. The USEPA intended to use the Multi-Sector permit to regulate facility's not delegated to States; and as a model for States to use to develop individual permits.

The Multi-Sector permit analyzed both characterization data and industrial activity to identify pollutants of concern for the various sectors. As a result, best management practices (BMPs) were established to control and abate the discharge of these pollutants. Analytical parameters were established to verify the effectiveness of the BMPs. The Department has reviewed the USEPA Multi-Sector permit for airports and is in agreement that the pollutants of concern and the BMPs selected are appropriate for controlling and abating the pollutants produced by airport operations and will be maintained in the draft renewal permit.

In addition, the draft renewal permit shall incorporate the regulation of ground water discharges, such as UIC Corrective Action in accordance with N.J.A.C. 7:14A-8.4; Additional Conditions Applicable to UIC Permits in accordance with N.J.A.C. 7:14A-8.9 and UIC Operating Criteria in accordance with N.J.A.C. 7:14A-8.16. Ground water discharges of any kind are prohibited under this permit unless the

proper permit and/or authorization is obtained in accordance with all applicable local, State and Federal regulations.

#### IV. Monitoring Requirements

The maximum value reported for each sampled parameter from the existing five year permit term is shown at the end of this Fact Sheet. Supplemental graphs are also depicted which show all reported values for DSN 014, which is the only outfall that did not receive treatment prior to discharging.

Only Petroleum Hydrocarbons were subject to a effluent limit in the existing permit. The limit of 15 mg/L was exceeded twice in the DSN 014A (see PHC Graph), whose source is general stormwater from the Terminal B area, and that was in 2001. Since then, the levels have been below 5 most of the time.

The Department believes it is premature to implement stricter effluent limits or other monitoring requirements at this time. If the Department continues to see a trend in the increase of reported values during the next five year term of the renewal permit, this approach will be re-evaluated. In either case, the Port Authority shall be committed to continually exploring (and implement as practicable) any new development in either the application of deicing and anti-icing products, techniques, collection, disposal and/or recycling methods, such that the least harmful products to human health and the environment are used, with the least effective dosage per plane, ultimately resulting in the least amount of residuals entering the environment.

Results of stormwater samples collected and analyzed for the parameters listed in the Permit Summary Table and in Part III of the permit, shall be reported on Discharge Monitoring Reports (DMRs), which will be mailed separately by the Bureau of Permit Management. The non-numeric effluent limitations identified in Table 1B consists of Best Management Practices (BMPs) for source control and pollution prevention addressed in the Stormwater Pollution Prevention Plan (SPPP). These practices apply to all industrial activities at the facility, which may adversely affect stormwater discharge. The BMPs are monitored for effectiveness through routine inspections with the results reported on inspection reports maintained at the facility. Table 2 (in Appendix 1 of the permit) identifies activities, deadlines, and reporting requirements associated with developing, updating and/or maintaining the SPPP.

Permit effluent limitations, nonnumeric effluent limitations, monitoring requirements, Best Management Practices (BMPs) and other conditions are authorized by the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq.), and the New Jersey State Water Pollution Control Act (N.J.S.A. 58:10A.1 et seq.). These statutes are implemented by the National Pollutant Discharge Elimination System (NPDES) (40 CFR Part 122) and the New Jersey Pollutant Discharge Elimination System (NJPDDES) (N.J.A.C. 7:14A) permit programs.

#### V. Stormwater Pollution Prevention Plan Requirements

Stormwater discharges from all outfalls in the permit renewal require the facility to develop and implement a Stormwater Pollution Prevention Plan (SPPP or Plan) in addition to certain effluent limitations and monitoring requirements that may be imposed in order to control the quality of the stormwater discharges.

The Department is authorized under the federal regulations (40 CFR 122.44) and under NJPDES rules (N.J.A.C. 7: 14A-6.2(b) to impose Best Management Practices (BMPs) to control or abate the discharge of pollutants. The Department may impose BMPs when BMPs are reasonably necessary to achieve effluent limitations and standards to carry out the purposes and intent of the State and Federal Acts. Additionally, the Department believes that it is not feasible at this time to establish water quality based effluent limits (WQBEL) for stormwater discharges associated with Newark Liberty International Airport. The proposed limitations incorporated in the SPPP are consistent with the NJDEP's and USEPA's stormwater permitting philosophy by reducing the amount of pollution created and to prevent pollution from occurring in the first place (See 24 N.J.R. 2352). The SPPP and monitoring requirements operate as limitations and controls on stormwater effluent discharges to prevent stormwater contamination and are intended to achieve Best Available Technology Economically Achievable (BAT) and Best Conventional Pollutant Control Technology (BCT). Requirements include certifying the preparation, implementation and annual evaluation and update of the Plan by a compliance date. The main objective of the Plan is to prevent stormwater contamination through the elimination and/or minimization of exposure, during and after storm events, of industrial materials, machinery, waste products, and other source materials associated with industrial activity located at the facility, to stormwater that is discharged (directly or indirectly) to surface waters.

#### VI. Responsibility of Operating Entities

The primary responsibilities for operators are to obtain discharge authorization; and to develop and implement general and specific BMPs for their operations. The conditions for the specific BMP requirements are located in Part IV.E (Unit Specific). The general BMPs are outlined in the "Contents of the Stormwater Pollution Prevention Plan" in Appendix 2, Attachment B of the permit. Operators are responsible for reporting the development and implementation of their BMPs to the PA-NY&NJ. The report submitted by the operators to the PA-NY&NJ shall include at a minimum the following three items: a list of pollutants of concern, a description of structural and non-structural BMPs and a site map indicating the operators location and the location of any structural BMPs. Operators may amend their BMPs at any time, but must report all changes to the PA-NY&NJ.

The certifications for the development and implementation of BMPs (Certification Form in Appendix 2) are to be submitted to the Bureau of Nonpoint Pollution Control in accordance with the schedule of Table 2, located in Appendix 1. The Certification Form will be provided by the Department with the facility's renewal permit authorization. An annual inspection of the BMPs and incidents of non-compliance must be completed and reported to the PA-NY&NJ. An annual certification with a report of any incidents of non-compliance must be submitted to the Bureau of Nonpoint Pollution Control in accordance with the schedule outlined in Appendix I, Table 2. All steps taken to remedy any incidents of non-compliance must accompany the report.

#### VII. Responsibility of the Port Authority of New York and New Jersey (PA-NY&NJ)

This draft renewal permit requires the PA-NY &NJ to maintain, update, implement and certify(Appendix 2) a facility-wide Stormwater Pollution Prevention Plan (SPPP) in accordance with the schedule located in Appendix I, Table 2 of this permit. The Certification Form to be used for this purpose will be provided with the facility's renewal permit authorization. The SPPP requires general and specific BMPs to control and abate pollutants from entering stormwater runoff. The PA-NY&NJ is responsible for developing and implementing general and specific BMPs that are applicable to their

operations. The comprehensive (or facility-wide) SPPP report shall be written in accordance with the provisions of Appendix 2, Attachment B and retained on site. The PA-NY&NJ must submit a summarized report to the Bureau of Nonpoint Pollution Control in accordance with the schedule outlined in Appendix I, Table 2. This report must include at a minimum the following three items: a list of authorized operators covered by this permit, a list of the authorized operator's structural and non-structural BMPs and a site map showing the location of the authorized operators and their structural BMPs.

An annual inspection of the facility-wide SPPP and incidents of non-compliance must be completed and reported to the Bureau of Nonpoint Pollution Control in accordance with the schedule outlined in Appendix I, Table 2. All steps taken to remedy any incidents of non-compliance must accompany the report.

The PA-NY&NJ will be responsible for monitoring and reporting the stormwater discharges from outfalls DSN011A, DSN014A and DSN022A in accordance with the provisions outlined in Part III and Part IV of this permit.

#### VIII. Authorization under this permit

##### A. Permit Area

This permit applies to all areas of Newark Liberty International Airport as designated in the Port Authority of New York and New Jersey's leasehold with the City of Newark and the City of Elizabeth, or owned by the Port Authority of New York and New Jersey.

##### B. Eligibility

1. This permit may authorize only those new and existing discharges as identified in paragraph (viii) of the definition "stormwater discharges associated with industrial activity" located under N.J.A.C. 7:14A-1.2. that are specifically identified in the permit.

For purposes of this permit the following facilities are eligible for authorization,

a) Those operating entities which have specifically been assigned the SIC code 4581 by the New Jersey Department of Labor; or that operate the facility as described under SIC code 4581, and

b) Operating entities located at the Newark Liberty International Airport (as defined under "A Permit Area") with SIC codes other than 4581 that perform vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling and lubrication), equipment cleaning operations, airport deicing operations except for the following:

i. Stormwater discharges authorized under another NJPDES Discharge to Surface Water (DSW) permit (including an expired permit), or combined with a domestic wastewater or process waste water prior to treatment.

ii. Stormwater discharges that may be fully authorized under NJPDES Permit No. NJ0088323 (a separate general permit for stormwater discharges from certain construction and mining activities).

iii. Stormwater discharges from facilities with "sanitary landfills" as defined in N.J.A.C. 7:26-1.4 or "hazardous waste landfills", as defined in N.J.A.C. 7:26G, unless those landfills have been closed in compliance with N.J.A.C. 7:26-2A9 (the Solid Waste rules) or N.J.A.C. 7:26G (the Hazardous Waste rules), the appropriate certifications have been submitted in accordance with N.J.A.C. 7:26 or N.J.A.C. 7:26G, and the landfills are not disrupted. Such closed landfills are eligible for authorization under this permit.

iv. Stormwater discharges from projects or activities that conflict with an adopted Water Quality Management (WQM) plan.

2. This permit does not authorize other discharges, even if such discharges are combined with stormwater discharges that are authorized by this permit.

C. Requiring an Individual Permit or Another General Permit;

1. The New Jersey Department of Environmental Protection ("the Department") may require any permittee authorized under this permit to apply for and obtain an individual DSW permit, or seek and obtain authorization under another general permit. Conversely, any permittee authorized under this permit may request to be excluded from authorization under this permit by applying for an individual DSW permit or for another general DSW permit. Revocation of existing permits under such circumstances is governed by N.J.A.C. 7:14A-6.13.

2. If, after receiving authorization under this permit, a facility is required by the Department to obtain another NJPDES DSW permit that would also cover the authorized stormwater discharge, then authorization under this permit shall remain in effect only until either:

a. The date such other permit becomes effective; or

b. The date the application for such other permit (or request for authorization under another general permit) is denied.

If such a facility fails to submit an application or request for authorization by the date specified by the Department, then the general permit authorization remains in effect only until that date.

D. Authorization

1. In order for any person to obtain authorization under this permit (except for automatic renewal of authorization under 4.a below), a complete Request for Authorization (RFA) for permit number NJ0134791 shall be submitted in accordance with the requirements of Part II of this permit. Upon review of the RFA, the Department may, in accordance with N.J.A.C. 7:14A-6.13, either:

a. Issue notification of authorization under this permit, in which case, authorization is deemed effective as of the first date the complete RFA is received by the Department;

b. Deny authorization under this permit and require submittal of an application for an individual DSW permit; or

c. Deny authorization under this permit and require submittal of an RFA for another general permit.

2. The Department shall issue, deem administratively incomplete or deny authorization within a period of 90 days after submission of a complete RFA (except for automatic renewals of authorization under 4.a below). In the event that the Department fails to issue, deem administratively incomplete, or deny authorization within such period, the authorization shall be deemed to have been issued.

3. For a discharge authorized by this permit, the permittee is exempt from the provision in N.J.A.C. 7:14A-6.2(a)2, which declares that the discharge of any pollutant not specifically regulated in the NJPDES permit or listed and quantified in the NJPDES application shall constitute a violation of the permit.

#### 4. Automatic Renewal of Authorization

a. Authorization under this permit will be automatically renewed if this permit is reissued in the future (so long as the discharge remains eligible). For any permittee that has authorization under this permit prior to the effective date of the reissued permit, the most recently submitted RFA is also the timely and complete RFA under the reissued permit. (However, if the permittee is aware that any information in that most recently submitted RFA is no longer true, accurate, and complete, the permittee shall provide the correct information to the Department within 90 days after that effective date, if the permittee has not done so already.) The Department will issue a notice of renewed authorization to each such permittee.

b. A permittee whose authorization was renewed under a. above may request to be excluded from the reissued general permit in accordance with N.J.A.C. 7:14A-6.13(g), and may also request a stay of the application to that permittee of any condition of the reissued permit in accordance with N.J.A.C. 7:14A-17.6.

#### 5. Request for Authorization Requirements

##### A. Deadlines for Requesting Authorization for a New Discharge

An RFA for a new stormwater discharge associated with industrial activity must be submitted at least 30 days prior to the date upon which there may be such a discharge. The Department may, in its discretion, accept an RFA submitted after the foregoing deadline; however, the discharger may still be held liable for any violations that occurred prior to the submission of the RFA.

##### B. Persons Requesting Authorization

An RFA shall be submitted by each operating entity, within the permit area, for any part of the facility requiring a NJPDES permit for the stormwater discharge associated with industrial activity. When a facility is owned or leased by one person but is currently operated by another person, the operating entity within the permit area shall submit the RFA.

##### C. Contents of the Request for Authorization

A completed RFA shall include all of the following information regarding the regulated facility, using the Department's RFA form:



1. The name, mailing address, location, and EPA identification number (if assigned) of the operating entity.
2. Four (4) digit Standard Industrial Classification (SIC) code and short title assigned to the operating entity within the permit area, by the New Jersey Department of Labor. If the facility is exempt from the Department of Labor SIC code assignment procedures, the RFA shall provide the 4-digit SIC code and short title that best represents the principal products or activities of the operating entity.
3. The legal name, address, and business telephone number of the operating entity, and, if applicable, parent corporations or their agents and engineers. The RFA shall also identify whether each person named is an owner, or operating entity, or both; which of these persons is submitting the RFA; and whether the owner or operating entity is a Federal, State, or other public agency, or private entity. Any RFA not submitted by all known operating entities shall also state that the facility has other operating entities who refuse to join in submitting that RFA.
4. A brief description of the operating entity's current and/or proposed uses.
5. Proposed date upon which there may be a new stormwater discharge associated with industrial activity, where applicable.
6. The RFA certification contained in Attachment A.
7. Other certifications submitted in accordance with the permit and the following:
  - a. For existing stormwater discharges, any required Certification Forms may also be submitted concurrently with the RFA, where appropriate.
  - b. For new stormwater discharges, the RFA must also include Certification Forms required by the permit.
8. Additional information may be required by the Department to be included as part of the RFA if the Department determines that such additional information (including other data, reports, specifications, plans, permits, or other information) is reasonably necessary to determine whether to authorize the discharge under this permit.

#### D. Where to Submit

A completed and signed RFA shall be submitted to the Department at the address specified on the Department's RFA form.

#### E. Additional Notification

None required at this time.

#### IX. Procedures for Reaching a Final Permit Decision

These procedures are set forth in N.J.A.C. 7:14A-15, 16, and 17. Included in the public notice are requirements for the submission of comments by a specified date, procedures for requesting a hearing, and other procedures for participation in the final agency decision.

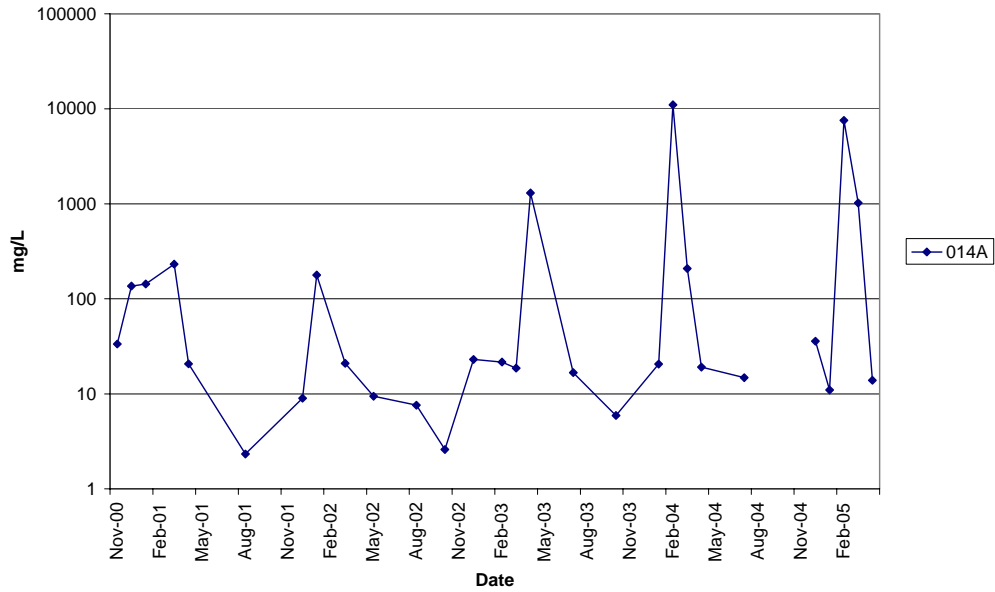
X. Department Contact

Additional information concerning this draft permit renewal action may be obtained between the hours of 9:00 AM and 5:00 PM, Monday through Thursday, from Vicki Margulies, Bureau of Nonpoint Pollution Control, at (609) 633-7021.

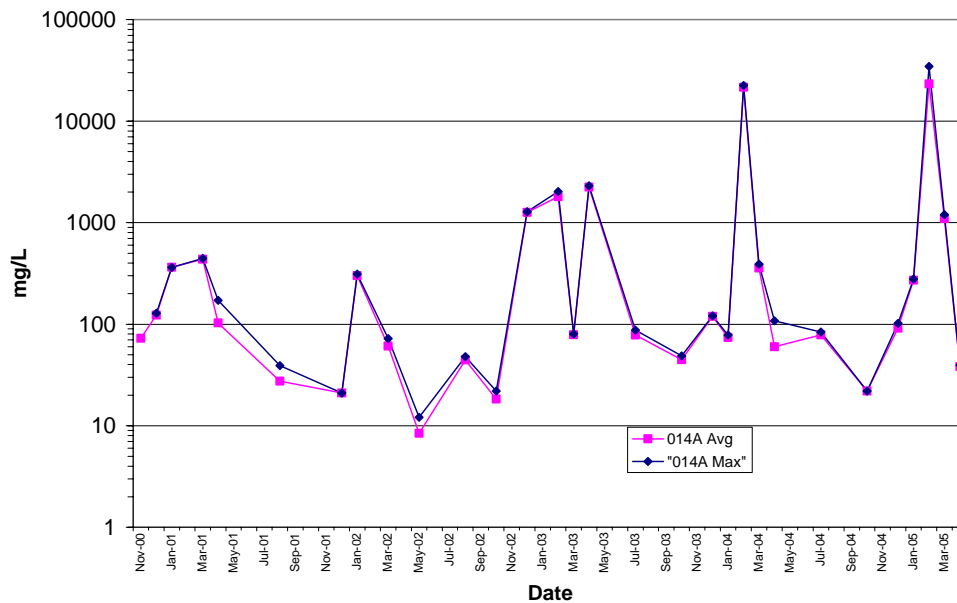
**Table 1. Summary Data from all remaining monitored Outfalls from 11/01/2000 through 6/31/2005**  
(Detailed data on below graphs)

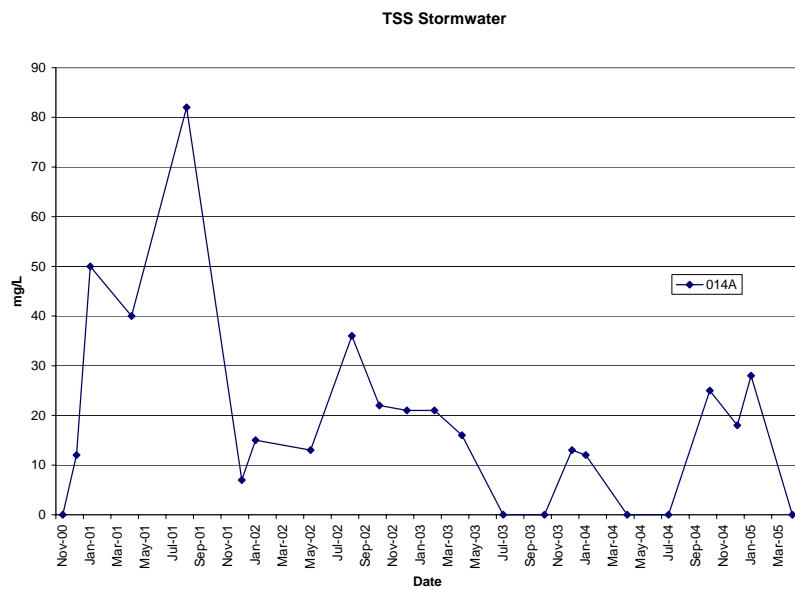
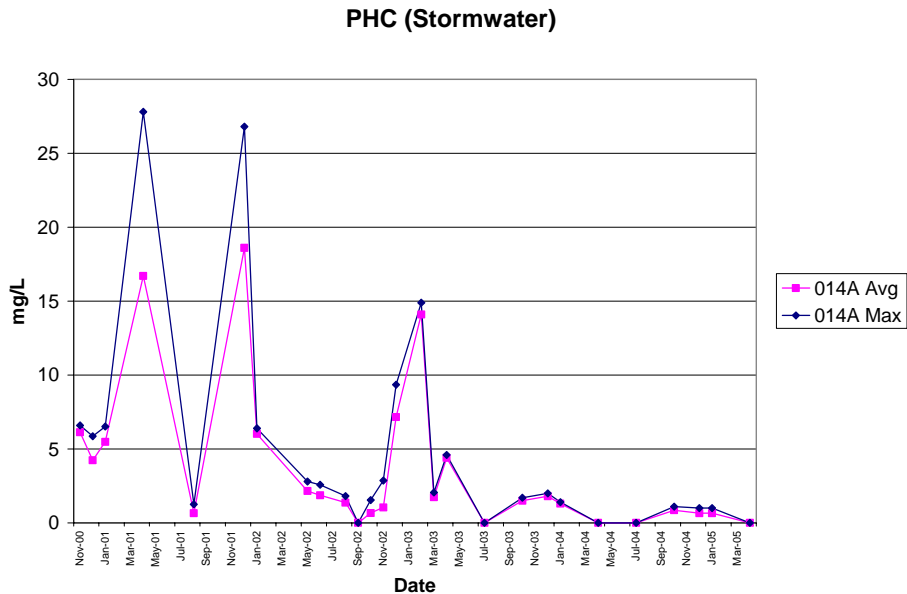
| <b>DSN Outfall Number</b> | <b>Outfall Description</b>         | <b>Parameter</b>                        | <b>Maximum Reported Value (mg/L)</b> |
|---------------------------|------------------------------------|---|--------------------------------------|
| 011A                      | Oil Water Separator                | BOD, Carbonaceous 5 Day, 20°C           | 103                                  |
| 011A                      | Oil Water Separator                | Oxygen Demand, Chem. (High Level) (COD) | 299                                  |
| 011A                      | Oil Water Separator                | Petroleum Hydrocarbons                  | 24                                   |
| 011A                      | Oil Water Separator                | Solids, Total Suspended                 | 66                                   |
| 011A                      | Oil Water Separator                | Nitrogen, Kjeldahl Total (as N)         | 9.76                                 |
| 014A                      | Stormwater from Terminal B Manhole | BOD, Carbonaceous 5 Day, 20°C           | 11000                                |
| 014A                      | Stormwater from Terminal B Manhole | Oxygen Demand, Chem. (High Level) (COD) | 34600                                |
| 014A                      | Stormwater from Terminal B Manhole | Petroleum Hydrocarbons                  | 27.8                                 |
| 014A                      | Stormwater from Terminal B Manhole | Solids, Total Suspended                 | 82                                   |
| 014A                      | Stormwater from Terminal B Manhole | Nitrogen, Kjeldahl Total (as N)         | 10.1                                 |
| 022A                      | Oil Water Separator                | BOD, Carbonaceous 5 Day, 20°C           | 138                                  |
| 022A                      | Oil Water Separator                | Oxygen Demand, Chem. (High Level) (COD) | 1950                                 |
| 022A                      | Oil Water Separator                | Petroleum Hydrocarbons                  | 23.6                                 |
| 022A                      | Oil Water Separator                | Solids, Total Suspended                 | 86                                   |
| 022A                      | Oil Water Separator                | Nitrogen, Kjeldahl Total (as N)         | 8.22                                 |

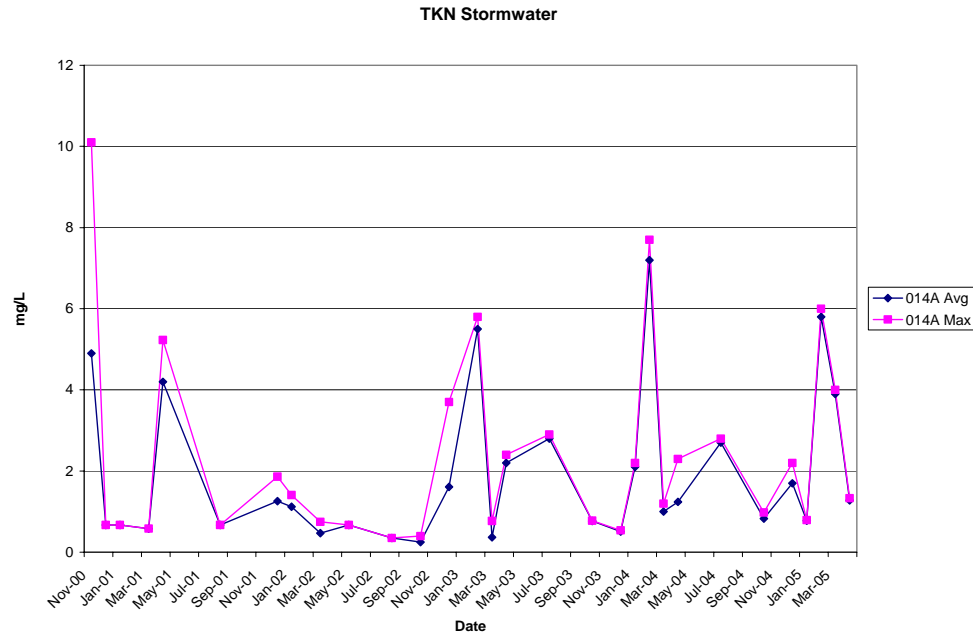
**BOD (Stormwater)**



**COD (Stormwater)**







**Draft Renewal Permit  
Permit Summary Table**

**For DSN 011A, 014A, 022A**

| <b>Parameter</b>                                 | <b>Limit</b>       | <b>Statistical Base</b>         | <b>Frequency</b> | <b>Sample Type / Monitoring Period</b> |
|--|--------------------|---------------------------------|------------------|--|
| <b>pH</b>  | <b>Report Only</b> | <b>Daily Minimum</b>            | <b>Quarterly</b> | <b>Grab / Jan - Dec</b>                |
| <b>TSS</b>                                       | <b>Report Only</b> | <b>Quarterly Maximun</b>        | <b>Quarterly</b> | <b>Grab / Jan - Dec</b>                |
| <b>Total Nitrogen, Kjeldahl</b>                  | <b>Report Only</b> | <b>Daily Avg/Monthly Max</b>    | <b>Monthly</b>   | <b>Multi-grab / Jan - Dec</b>          |
| <b>Petroleum Hydrocarbons, Total Recoverable</b> | <b>15 Mg/L</b>     | <b>Daily Avg/ Quarterly Max</b> | <b>Quarterly</b> | <b>Multi – grab / Jan - Dec</b>        |
| <b>BOD, Carbonaceous 5 day, 20°C</b>             | <b>Report Only</b> | <b>Daily Avg/ Monthly Max</b>   | <b>Monthly</b>   | <b>Multi – grab / Jan - Dec</b>        |
| <b>Chemical Oxygen Demand (High Level)</b>       | <b>Report Only</b> | <b>Daily Avg/ Monthly Max</b>   | <b>Monthly</b>   | <b>Multi – grab / Jan - Dec</b>        |

### **Contents of the Administrative Record**

The following items were used to establish the basis of the draft permit renewal:

- (1) NJPDES/DSW Permit and Modifications NJ0003824
- (2) NJPDES NJ0088315 (N.J.A.C. 7:14A-3 Appendix A) (NPI)\*
- (3) Draft and Existing Master General Permit for the Newark Liberty International Airport, NJ0134791, effective date of 11/01/2000, expiration date of 10/31/2005.
- (4) N.J.A.C. 7:14A (NPI)\*
- (5) 40 CFR 122 (NPI)\*
- (6) N.J.S.A 58: 10A-I et seq (NPI)\*
- (7) Discharge Monitoring Reports submitted from 11/2000 to 6/05 under NJPDES Permit NJG0003824.
- (8) Site visit conducted 6/30/05.
- (9) "Final National Pollutant Discharge Elimination System Storm Water Multi-Sector General Permit for Industrial Activity" Federal Register Friday September 29, 1995.
- (10) "Nationwide Urban Runoff Program", Water Planning Division, USEPA, Accession #PB84-185552 10/93.
- (11) "Stormwater Best Management Practices" authored by Camp, Dresser and McKee for the Port Authority of New York and New Jersey 11/95.
- (12) "Stormwater Audit Findings Report" authored by Camp, Dresser and McKee for the Port Authority of New York and New Jersey 3/96.
- (13) "Aircraft and Runway De-Icing Study for the Port Authority of New York and New Jersey" authored by Weston Managers/Designers/Consultant 7/92 (15) D'itri, Frank M., 19SJ2.
- (14) "Chemical Deicers and the Environment" Lewis Publishers. (16) Newark International Airport Outline of Rest Management Practices for Airport.
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